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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 26th April 1986

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REGISTRATION OF PATENT AGENTS

The following persons have been registered as Patent Agents :—

1. Shri S. Ramchandran,
17/105A, Vikram Vihar,
Lajpatnagar-IV,
New Delhi-110 024.
2. Shri Sachidananda Mishra,
E 11, Nirlon Colony,
Goregaon (E),
Bombay-400 063.
3. Shri Amarendra Nath Roy,
C/o. Saba, Ghosh & Co.,
RCTC Building,
11, Rusel Street,
Calcutta-700 071.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700 017

The dates shown in crescent brackets are the dates claimed under Section 135, of the Act.

20th March, 1986

- 227/Cal/86. Hoesch Maschinenfabrik Deutschland AG. Under floor wheelset turning machine for reprofiling wheel tyre contours of railway wheelsets.
- 228/Cal/86. Vsesojuzny Institut Po Proektirovaniyu Organizatsii Energeticheskogo Stroitelstva "Orgenergostroi". Transfer assembly of belt conveyor.
- 229/Cal/86. Vsesojuzny Nauchno-Issledovatel'skiy I Proektnokonstorskiy Institut Promyshlennyykh gidroprivodov I Gidroavtomatiki Vniigidroprivod. Electrohydraulic amplifier.
- 230/Cal/86. Hitachi, Ltd. Method of producing molded winding.
- 231/Cal/86. Bata Limited. Antistatic composition and articles made therefrom.
- 232/Cal/86. Dr. Med. Wolfgang Wagner. A device for automatical self-control of metabolism.
- 233/Cal/86. Bholanath Mitra. Ayurvedic plant growth conditioner.

21th March, 1986

- 234/Cal/86. Klevsky Politekhicheskyy Institut Imeni 50-Letiya Velikoi Oktyabrskoi Sotsialisticheskoi I Revolutsii II. Cutting process control system for cnc metal cutting machine tools.
- 235/Cal/86. Hoechst Aktiengesellschaft. Process for dyeing and printing Hydroxyl-containing fiber materials.
- 236/Cal/86. Vsesojuzny Nauchno-Issledovatel'skiy, Proektno-Konstruktorskiy I Technologicheskyy Institut Istokhnikov Sveta Imeni A. N. Lodygina. Composition for filling incandescent lamps.

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 302

3rd March 1986

- 141/Mas/86. M. Muthukrishnan. Instant designers.
- 142/Mas/86. Maschinenfabrik Rieter AG. Orem-end yarn piecer. (April 29, 1985; Great Britain).

4th March 1986

- 143/Mas/86. J. Ramanathan. A mosquito trap.
- 144/Mas/86. Siebe Gorman & Company Limited. Improvements in and relating to breathing apparatus. (March 6, 1985; United Kingdom).

145/Mas/86. Siebe Gorman & Company Limited. Improvements in and relating to breathing apparatus. (March 6, 1985; United Kingdom).

146/Mas/86. Bobil Oil Corporation. Cascade Dewaxing Process. (December 5, 1985; Australia).

147/Mas/86. MoCord Heat Transfer Corporation. A heat exchanger core construction utilizing a plate member adaptable for producing either a single or double pass flow arrangement.

148/Mas/86. Kabushiki Kaisha Toshiba. Process controller having an adjustment system with two degrees of freedom.

5th March, 1986

149/Mas/86. D. G. Palan. An improved beedi.

150/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (March 9, 1985; United Kingdom).

151/Mas/86. Lucas Industries Public Limited Company. Improvements in self-energising disc brakes. (March 9, 1985; United Kingdom).

152/Mas/86. Albeto Kopelowicz. A new fabric ornamented with Sequins.

6th March, 1986

153/Mas/86. K. M. Moosa. Chocolate gum.

154/Mas/86. P. V. George. Fluid actuated valve.

155/Mas/86. Kabushiki Kaisha Kobe Seiko Sho. Tire Vulcanizer.

7th March, 1986

156/Mas/86. Teikoku Hormone Mfg. Co., Ltd., 2-OXA-OR-AZA-PREGNANE COMPOUNDS.

157/Mas/86. Westers Biotechnology Limited. Fire Assay Cupels. (March 8, 1985; Australia).

158/Mas/86. Ametex AG. Method for the manufacture of shaped elements.

159/Mas/86. Crosby Valve & Gage Company. Non-flowing modulating pilot operated relief valve.

COMPLETE SPECIFICATION ACCEPTED

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CLASS : 61 F & H.

157553

Int. Cl. C 14 b 1/58.

DRYING PRESS FOR HIDES.

Applicant & Inventor : ANTTI KUSTAA VILJANMAA OF PIKANTIE 15, 34800 VIRRAT, FINLAND.

Application No. 1025/Cal/82 filed on September 03, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A drying press for hides, comprising two endless drying felts (1, 4) passed around rolls (2, 3, 5, 6), said felts being pressed against each other at press rolls (2, 5) to form a drying press gap for hides which are passed therethrough, as well as hide stretching means upstream of the gap, characterized in that said hide stretching means consist of a lower stretcher (7) disposed below a hide (18) to be conveyed and displaceable in the conveying direction (arrow 17) and extending over the transverse width of a felt and lifting a hide off a felt (1), and an upper stretcher (8) which in the final position of the forward displacement of said lower stretcher (7) is positioned on top of the lower stretcher, one or both of the stretchers (7, 8) being provided on their surfaces coming against hide with stretching means (9, 10, 11, 12) displaceable from the center towards the sides, and further characterized in that there is a press means which is transverse to the feeding direction and which is located in the area between the upper stretchers for pressing the hide against the rear edge of said lower stretcher (7).

Compl. Specn. 7 pages.

Drgs. 3 sheets.

CLASS : 68 D.

157554

Int. Cl. H 02 h 3/00.

MICROPROCESSOR BASED RECLOSER CONTROL.

Applicant : McGRAW-EDISON COMPANY, 1701 GOLF ROAD, ROLLING MEADOWS, ILLINOIS 60008, USA.

Inventors : 1. JAMES ARNOLD JINDRICK, 2. THOMAS GERARD DOLNIK, 3. NARESH KUMAR NOHRIA, 4. CLYDE GILKER, 5. JAMES ROBERT HURLEY, 6. MICHAEL PETER DUNK, 7. NORBERT JUDE REIS, AND 8. THOMAS JOSEPH BRAY.

Application No. 1077/Cal/82 filed on September 17, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A recloser control comprising :

an input circuit for sensing current in each of the three phases of a power line and ground, and providing an analog signal for each;

a multiplexing circuit for selectively transmitting each of the analog in/out signals;

a normalising scaling amplifier for selectively normalizing each of the analog input signals selected by the multiplexer in accordance with a preselected normalizing reference;

a sample and hold circuit for sampling the analog output of the normalizing scaling amplifier and maintaining it for a desired preselected holding period;

an analog to digital converter for converting the analog output the sample and hold circuit to a digital form;

memory means for storing command information in digitized form including normalizing references, time current characteristics, time intervals for selected measurements and operations, and status information such as digitized current magnitudes;

processing means for generating an equivalent to a means square valve for each digitized normalized input signals, comparing the means square equivalent valves of the inputs with a preselected one of a number of time current characteristics stored in memory means in accordance with other command information stored in the memory means, and issuing an operation command which causes the recloser to change its state between close and trip conditions;

a power supply for selectively supplying power to the other portions of the control from the power line being protected, said power supply including a storage means to supply power when the power lines being protected are interrupted;

a secondary overcurrent trip circuitry which continually receives input signals proportionate to currents in each of the three phases of a power line and ground for generating a trip signal when any sensed current exceeds a fixed secondary time current characteristic after a period of time in accordance with time current characteristic, if not disabled by said processor means;

output means for activating trip means in the recloser in accordance with operation commands from the processor means or trip signal from the secondary overcurrent trip circuitry, or close means in the recloser in accordance with operational commands from the processor means; and

input means for entering command information.

Compl. Specn. 41 pages.

Drgs. 12 sheets.

CLASS : 32 F.

157555

Int. Cl. : C08 f 15/30.

A PROCESS FOR PRODUCING A REACTOR FOR PREPARING VINYL CHLORIDE POLYMER.

Applicant : NIPPON ZEON CO., LTD., OF 6-1, 2-CHOME, MARUNOUCHI, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. MAKOTO YAMAOTO, 2. AKIRA NAKAYAMA, AND 3. RISO IWATA.

Application No. 1161/Cal/82 filed on October 07, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

A process for producing a reactor for preparing vinyl chloride polymer, characterized in that the inside of the polymerization reactor is coated in a known manner before hand with the product of reaction of an oily or waxy cyclopentadiene polymer with a phenolic compound, said product being obtained by reacting 100 parts by weight of the phenolic compound and optionally an aldehyde compound with 5 to 200 parts by weight of the cyclopentadiene polymer.

Compl. Specn. 25 pages.

Drg. Nil.

CLASS : 180.

157556

Int. Cl. : F 24 c 3/00.

COOKING STATION FOR GAS RANGE.

Applicant : RUHRGAS AKTIENGESellschaft, HUTTROPSTRASSE 60, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. HANS SOMMERS, 2. DIETER HANSSELMANN.

Application No. 1266/Cal/82 filed on October 23, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

45 Claims

A cooking station for gas ranges, whose burner is operated with super-stoichiometric combustion air premixing. Comprising :

- a burner tray;
- a burner head arranged in said burner tray,
- a mixing pipe means operatively connected with the burner head for supplying a fuel gas and combustion air mixture to said burner head;
- gas nozzle means mounted at the inlet of said mixing pipe for discharging a fuel gas jet into the inlet of said mixing pipe to entrain air;
- a ceramic insulating ring providing the connection between said mixing pipe and said burner head;
- said burner head including inner and outer perforated flame opening rings mounted concentric with respect to each other and constructed of heat-resistant and oxidizing-resistant material within the environment of the operating burner, a burner head bottom connecting one end of said rings, and a burner head flat top side connecting the other end of said rings; and
- the perforations of said inner flame opening ring being so dimensioned that the burning mixture between said rings cannot backfire through the perforations of said inner flame opening ring.

Comp., Specn. 18 pages.

Drgs. 2 sheets.

CLASS : 64 B.

157557

Int. Cl. : H 01 r 3/00.

A DEVICE FOR MAKING A SOLDERLESS, NON-SCREWED AND NON-STRIPPED LSA-PLUS-CONTACT FOR CONDUCTOR WIRES, ESPECIALLY FOR ALUMINIUM CONDUCTORS AND MULTIWIRE COPPER CONDUCTORS HAVING DIFFERENT WIRE SIZES.

Applicant : KRONE GMBH., GOERZALLEE 311, 1000 BERLIN 37, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DIETER GERKE, 2. HORST FORBERG AND 3. WOLFGANG RADELOW.

Application No. 1408/Cal/82 filed on December 04, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A device for making solderless non-screwed and non-stripped contact comprising a polytropic air gap, between a terminal element of leaf shaped resilient contact material and a conductor particularly an aluminium conductor or a multi-wire copper conductor to be terminated in the slot thereof, characterised in that the terminal element 1 of unitary construction is of X-shaped cross section (Fig. 2) or is formed of two hook-like parts (16, 17) (Fig. 4 & 5) and has a central slot (10) for the conductor and opening (3, 4) for the insertion of the conductor (2), each of which opening has at least one substantially V-shaped centering protrusion (5, 6) and two offset cutting lances (7, 8) at the lower end thereof, the cutting lances being adapted to nip open the conductor insulation at offset, opposite locations wherein the size of the conductor wire (2) to be terminated, the width of the slot (10), the resilience of the walls (10a, 10b) of the slot (10) determining the contact pressure.

Compl. Specn. 9 pages.

Drgs. 3 sheets.

CLASS : 48 A.

157558

Int. Cl. : F 21 b 17/00; 31/02.

SPLICE CASE HAVING FIRST AND SECOND END CLOSURE ASSEMBLIES.

Applicant : PREFORMED LINE PRODUCTS COMPANY, 660 BETA DRIVE, MAYFIELD VILLAGE, OHIO 44143, USA.

Inventors : 1. ERWIN H. GOETTER AND 2. RALPH B. SITER.

Application No. 1513/Cal/82 filed on December 31, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims

A splice case having a first end closure assembly and a second end closure assembly, for receiving and maintaining a plurality of linear bodies in fixed sealed relationship characterized by said first end closure assembly comprising an inner end plate and an outer end plate;

said inner end plate having an inner face, an outer face and a plurality of apertures extending through said inner end plate between the inner and outer faces thereof;

said outer end plate having an inner face, an outer face and a plurality of apertures extending therethrough between the outer end plate inner and outer faces, the apertures in said inner and outer plates being located for registry with each other;

a plurality of annular recesses disposed in at least one of the inner end plate outer face and the outer end plate inner face in a surrounding relationship with said apertures;

said controllable means comprising compressible gasket means at least partially received in said annular recesses and means for drawing the inner and outer end plates axially toward each other in a controlled manner such that said gasket means is compressed longitudinally and expanded radially into the apertures, whereby seals will be formed between the gasket means and a linear body passing through a pair of registered apertures in the inner and outer plates and between the gasket means and the inner and outer plates.

Compl. Specn. 19 pages.

Drgs. 2 sheets.

CLASS : 129 Q.

157559

Int. Cl. : B 23 k 9/18.

"LONG STICK-OUT NOZZLE FOR USE IN SUBMERGED ARC WELDING".

Applicant : BHARAT HEAVY ELECTRICALS LTD., 18-20, KASTURBA GANDHI MARG, NEW DELHI-110001, INDIA, AN INDIAN COMPANY.

Inventor : BHARAT HEAVY ELECTRICALS LTD.

Application for Patent No. 18/Del/1982 filed on 8th January 1982.

Complete specification left on 6th April 1983.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A long stick-out nozzle for use in submerged arc welding comprising an adaptor adapted to be secured to welding machine body at the end of the wire feeder, a metallic contact bush housed within the adaptor and having a passage for the electrode wire, a bush of an insulating material fixed to the adaptor externally thereof, an outer metallic tube fixed to the lower end of the said bush of insulating material, a metallic nozzle provided within the outer tube and a ceramic guide tube within the said nozzle for guiding the electrode wire.

Provisional Specification 4 Pages.

Complete specn. 6 pages.

Drg. 1 sheet.

CLASS : 10 F.
Int. Cl. : F42B, 31/00.

157560

"TRAINING PROJECTILE".

Applicant : AKTIEBOLAGET BOFORS, OF S-691 80
BOFORS, SWEDEN, A SWEDISH COMPANY.

Inventor : KURT PETTERSSON & TORSTENN WIK.

Application for Patent No. 32/Del/1982 filed on 15th
January, 1982.

Appropriate office for opposition proceedings Rule 4,
Patents Rules, 1972) Patent Office Branch, New Delhi-
110 005.

8 Claims

A training projectile which is adapted to be stabilized by
its own rotation during flight, wherein the projectile com-
prises a conical nose section, a cylindrical intermediate por-
tion and a tail section, and wherein the projectile is provided
with braking means for reducing the rotational velocity of
the projectile after launching, the braking means consisting
of a plurality of fixed aerodynamic surfaces located on the
cylindrical intermediate portion and extending radially from
the projectile surface and parallel to the symmetrical axis of
the projectile.

Compl. specn. 7 pages.

Drg. 1 sheet.

CLASS : 32 F.

157561

Int. Cl. : C07d, 33/00.

"PROCESS FOR THE PREPARATION OF 7-CHLORO-
1, 2, 3, 4-TETRAHYDROQUINOLIN-4-ONE".

Applicant : RHONE POULENC SANTE, A PRENCH
BODY CORPORATE OF "LES MIROIRS"—18, BOUCLE
D'ALSACE, 92400 COURBEVOIE, FRANCE.

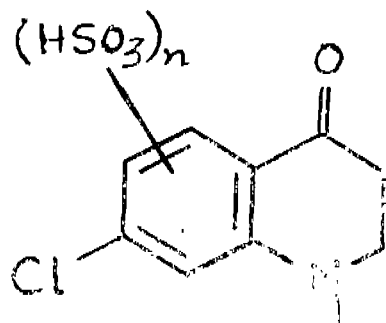
Inventors : MICHEL BAUDOUIN & HUBERT LINA-
RES.

Application for Patent No. 33/Del/1982 filed on 15th
January, 1982.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules, 1972) Patent Office Branch, New Delhi-
110 005.

5 Claims

A process for the preparation of 7-chlore-1, 2, 3, 4-tetrahy-
droquinolin-4-one which comprises 3-m-chloroanilinonpro-
pionic acid by means of an cleum, then desulphonating the
intermediate aromatic sulphonic acids of the formula II
(wherein n is 1 or 2)



by means of dilute sulphuric acid, and then isolating the 7-
chloro-1, 2, 3, 4-tetrahydroquinolin-4-one obtained.

Compl. specn. 10 pages.

Drg. 1 sheet.

CLASS : 92C.

157562

Int. Class : B02b, 3/08.

"APPARATUS FOR THE REMOVAL OF BRAN
FROM RICE AND LIKE CEREAL GRAINS."

Applicant : RIVIANA FOODS, INC., A CORPORATION
ORGANIZED UNDER THE LAWS OF THE STATE OF
DELAWARE, UNITED STATES OF AMERICA, OF 1702
TAYLOR STREET, HOUSTON, TEXAS 77007, UNITED
STATES OF AMERICA.

Inventor : ELMOND FRANK MEINARDUS.

Application for Patent No. 42/DEL/82 filed on 19th
January, 1982.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules 1972) Patent Office Branch, New Delhi-110005.

8 Claims

Apparatus for removing bran from rice and like cereal
grains comprising a wall defining an open-ended grain pro-
cessing chamber, (34), a power driven rotor (23) within
said chamber surrounded by said wall, means (20) located
at one end of said chamber for introducing grains to be de-
branned between the wall (47) and rotor and applying con-
trolled pressure (with a rotating screw) to move said grains
through said chamber longitudinally of said rotor to a dis-
charge opening (42) at the other end, and means for rotat-
ing said rotor assembly for effecting bran-removing abrasion
of grain in said chamber; characterized by said rotor assem-
bly being formed with pockets to retain and convey some
of grains around with it during rotation; with grains carried
by said rotor assembly continually directly engaging the
surrounding grains.

(Complete specification 18 pages. Drawings 4 sheets).

CLASS : 127 I and 134A.

157563

Int. Class : F16d, 15/00, 23/00.

"AN IMPROVED CLUTCH RELEASE BEARING AS-
SEMBLY."

Applicant : VALEO, OF 64 AVENUE DE LA GRANDE-
ARMEE, 75017 PARIS, FRANCE, A FRENCH COM-
PANY.

Inventor : PIERRE RENAUD.

Application for Patent No. 45/Del/82 filed on 20th
January, 1982.

Appropriate office for opposition proceedings (Rule 4,
Patents Rules 1972) Patent Office Branch, New Delhi-110005.

7 Claims

An improved clutch release bearing assembly comprising
a support member adapted for sliding movement along the
axis of the assembly; an operating element carried by the
support member; a bearing element; and an actuator, said
bearing element being arranged axially between the operating
element and the actuator, and the said actuator comprising
an axially extending member engageable with a disengage-
ment mechanism of a clutch axially remote from the bear-
ing element, and a support guide generally in axial align-
ment with the support member, the actuator being slidable
axially on the support guide and a swivel being provided
between that actuator and the support guide for permitting
slight tilting movement of the actuator relative to the axis
of the support guide when force is applied by the disengage-
ment mechanism for clutch disengagement.

Complete specification 16 pages. Drawing 1 sheet.

CLASS : 127 I and 134 A.

157564

Int. Class : F16d, 15/00, 23/00.

"A CLUTCH RELEASE BEARING ASSEMBLY".

Applicant : VALEO, OF 64 AVENUE DE LA GRANDE-ARMEE, 75017 PARIS, FRANCE, A FRENCH COMPANY.

Inventor : PIERRE RENALD.

Application for Patent No. 46/Del/82 filed on 20th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

10 Claims

A clutch release bearing assembly, comprising a support member adapted for sliding movement along the axis of the assembly; a swivel means; an operating element carried by the support member for movement therewith; a bearing element; and an actuator, said bearing element being mounted axially between the operating element and said actuator for self-centering movement in all directions in a transverse plane relative to the operating element and the actuator for correcting off centering between the operating element and the actuator and said actuator being an axial extension of the bearing element and separate therefrom; and a support guide on which the actuator is mounted for axial sliding movement; said actuator cooperating with the disengagement mechanism of a clutch remote from the bearing element.

Complete specification 14 pages. Drawing 1 sheet.

CLASS : 208

157565

Int. Class : C09d-11/00.

APROCESS FOR THE PREPARATION OF INDELIBLE INK USEFUL FOR MAKING A PERMANENT MARK ON A SUBSTRATE.

Applicant : COUNCIL OF SCIENTIFIC & INDUSTRIAL RESEARCH RAJI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventor : PRAMOD KUMAR GUPTA, BISHAN GOPAL MATHUR & VASANTHA RAMAN.

Application for Patent No. 51/Del/1982 filed on 23rd January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A process for the preparation of indelible ink useful for making a permanent mark on a substrate which comprises reacting an oxidising mixture of silver salts and a dye in an organic solvent with a reducing mixture of a reducing agent and a sensitising agent in an organic solvent.

Complete specification 7 pages.

CLASS : 70 B,

157566

Int. Class : C22d 3/08 & B01k 3/04.

"AN IMPROVED ELECTROLYTIC CELL FOR PRODUCTION OF MAGNESIUM METAL BY ELECTROLYSIS OF FUSED CHLORIDE BATH".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAJI MARG, NEW DELHI-110 001, INDIA, AN INDIAN REGISTERED BODY INCORPORATED UNDER THE REGISTRATION OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors : POONAMALLE SRINIVASA DESIKAN, KADATHUR SOMASUNDARA SRINIVASAN, ARUNACHALAM SELVAKESAVAN, GAJAVALLI NAGARAJA RAO KANNAN, LAGUDUVA KRISHNA IYER SRINI-

VASAN, SOMASUNDARAM SUKUMARAN, SUBRAMANIAN PANCHAPAGESA, KOYALAMANNAN SEETHARAMA DANDHAPANI, SRINIVASA SRIKANTAN NARASIMHAN RAJAGOPALAN, CHANASSERY OUSO AUGUSTIN, THANGARAJ SELVIN DEVASAHAYAM & HANDADY VENKATAKRISHNA UDUPA.

Application for Patent No. 53/Del/82 filed on 25th January, 1982.

Complete specification left on 26th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

An improved electrolytic cell for the production of magnesium metal by electrolysis of fused chloride bath comprising a checker like arrangement of a plurality of cathode frames to form multiple modules each module provided with an anode rod in combination with plurality of anode grinds, each anode consisting of rear end and front end plates and a set of single of plurality of middle plates made of horizontal, vertical and lateral strips, the lateral strip of the middle plate extending perpendicularly on the both sides of the horizontal strips, the front end cathode plate being provided with a lateral strip extending on one side to form a curtain plate.

Provisional specification 5 pages. Drawings 3 sheets.

Compl. specn. 13 pages.

Drgs. 3 sheets.

CLASS : 47 c,

157567

Int. Class : F28c 1/02.

"COOLER FOR THE DRY-COOLING OF COKE".

Applicant : KRUPP-KOPPERS GmbH, A GERMAN COMPANY OF MOLTKESTRASSE 29, 4300 ESSEN 1, WEST GERMANY.

Inventor : BERNARD HEINRICHS, JOACHIM POLENZ AND FRIEDRICH JOKISCH.

Application for Patent No. 61/Del/1982 filed on 28th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

2 Claims

Cooler for the dry-cooling of coke said cooler having a pre-chamber located in the upper portion thereof above a main chamber, said pre-chamber extending into a region beneath an offtake main for gaseous coolant, webs attached outside the pre-chamber, said webs being uniformly distributed over the entire periphery of said pre-chamber, the webs connecting the pre-chamber to a cooler shell, characterised in that the webs have supporting surfaces on either side of each said web for supporting head bricks between two adjacent webs, and inspection-holes closeable by plugs are located in the upper portion of the cooler for introducing said head bricks.

Complete specification 8 pages. Drawings 2 sheets.

CLASS : 42 A 5.

157568

Int. Class : A 24 c 5/00.

"A CIGARETTE-MAKING MACHINE".

Applicant : G. D. SOCIETA' PER AZIONI, AN ITALIAN COMPANY, OF VIA POMPONIA 10, 40100 BOLOGNA, ITALY.

Inventor : ENZO SERAGNOLI.

Application for Patent No. 66/Del/1982 filed on 29th January, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-110005.

6 Claims

A cigarette making machine comprising a main tobacco supply unit, a shaft extending downwards from a bottom portion of said main tobacco supply unit, a toothed take-up element arranged at a lower end of said shaft and an auxiliary supply unit communicating with an intermediate portion of said shaft, said auxiliary supply unit comprising at least two tobacco conveying means independent of one another and extending alongside one another in a major transverse direction of said shaft, and tobacco-flow control means arranged along said shaft and connected with each said conveying means and sensitive to the level of tobacco within said shaft.

Complete specification 11 pages. Drawing 1 sheet.

CLASS : 11 C & 82.

157569

Int. Cl. A 01 k 61/00.

A PORTABLE INCUBATOR DEVICE FOR CULTURING FISH EGGS.

Applicant & Inventor : HAREKRISHNA ROY, BHADURIPARA, P.O. KALNA, DT. BURDWAN, WEST BENGAL, INDIA.

Application No. 592/Cal/82 filed on May 22, 1982.

Complete specification left on May 20, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A portable incubator device for culturing fish eggs comprising in combination a metal or polythene body for a hatching unit, a distributor box with a control valve, a water reservoir wherein means are provided in the hatching unit to produce a circulating current of water, which is fed into the hatching unit from the water reservoir through the distributor box via the control valve.

Provisional specification 6 pages. Drawing 1 sheet Prov.

Complete specification 9 pages. Drawing 1 sheet Comp.

CLASS 108 C_a

157570

Int. Cl. C 21 c 5/00; 7/00, C 22 c 39/00.

A NEW METHOD OF PRETREATMENT OF HOT METAL SUITABLE FOR STEEL MAKING IN BASIC OXYGEN FURNACE OR IN OPEN HEARTH FURNACE.

Applicant : DR. AYYAPPANKAVE SUBRAMANIAM VENKATADRI, OF RESEARCH AND DEVELOPMENT CENTRE FOR IRON AND STEEL, STEEL AUTHORITY OF INDIA LTD., P.O. HINNO, DORANDA, RANCHI-834002, INDIA AND STEEL AUTHORITY OF INDIA LTD., RESEARCH AND DEVELOPMENT CENTER FOR IRON AND STEEL, AT HINNO, DORANDA, RANCHI-834003, INDIA.

Inventors : 1. AYYAPPANKAVE SUBRAMANIAM VENKATADRI. 2. SHYAM SUNDER GUPTA. 3. AMITABHA GHOSH HAZRA, 4. OM PRAKASH SHARMA, 5. SUBRAMANIAM DHARNIPALAN. 6. VIKASH KUMAR AGNIHOTRI AND 7. SANAT KUMAR BANERJEE.

Application No. 960/Cal/82 filed on 17th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A new method of pretreatment of hot metal suitable for steel making in basic oxygen furnace or in open hearth furnace which process comprises the steps of desiliconisation and desulphurisation of hot metal, said desiliconisation being carried out by mixing predetermined quantity of one or more fluxing reagents such as herein described having grain size

between 12 and 50 mm with hot metal in ladle, blowing oxygen through lance at a controlled rate and deslagging; said desulphurisation being conducted by injecting through lance into the desiliconised hot metal, a preselected mixture of soda ash and lime in a fluidized state.

Complete specification 14 pages. Drg. nil.

CLASS 36 A₂

157571

Int. Cl. F 16 c 3/00; F 04 d 29/04.

A SUCKER OR PONY ROD FOR USE IN A WELL AND METHOD OF MANUFACTURING THEREOF.

Applicant : DRILLCON INDUSTRIES LIMITED, OF BRITANNIC CHAMBER, THORPE ROAD, NORWICH, NORFOLK, ENGLAND.

Inventor : JOHN HERBERT NORTH.

Application No. 988/Cal/82 filed on 25th August, 1982.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

A sucker or pony rod use in a well, comprising an elongate central member and two coupling components, the coupling components each being of unitary construction and having a tapered portion and a wrench engaging shank and a threaded portion for transmitting rotary torque for securing the coupling component to a coupling component on another rod to enable a string of rods to be formed, each coupling component having its tapered portion friction welded to a respective end of the elongate central member whereby the welds between the coupling components and the central member and the central member itself are not subjected to any substantial rotary torque during the interconnecting of rods to form the said string.

Compl. Specn. 15 pages. Drg. 1 sheet.

CLASS : 69 G.

157572

Int. Cl. H 01 n 8/00.

AIR CIRCUIT BREAKER.

Applicant : MITSUBISHI DENKI KABUSHIKI, KAISHA, OF 2-3, MARUNOUCHI 2-CHOME, CHIYODA-KU, TOKYO, JAPAN.

Inventors : 1. YOSHINORI MOCHIZUKI, 2. KIYOSHI EGUCHI, 3. TAKAYOSHI ISHIKAWA, 4. YASUSHI GENBA, 5. SHIGEMI TAMARU AND 6. MASAYUKI OKADA.

Application No. 87/Cal/83 filed on 24th January, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An air circuit which comprises, in combination :

- (a) a rotational shaft connected with a motor;
- (b) cam means which rotates in one direction through a ratchet by a handle operation to accumulate pressure in an energy accumulating spring for contact closure;
- (c) an engaging part provided on the outer periphery of said rotational shaft; and
- (d) latch means which slides on and along the engaging part of said rotational shaft when said cam means is rotated by said handle operation, and which causes said cam means to rotate together with said rotational shaft in engagement with said engaging part of said rotational shaft when said rotational shaft is

rotated in one and the same direction by said motor driving.

Compl. specn. 18 pages. Drgs. 8 sheets.

CLASS : 51 D.

157573

Int. Cl. B 26 b 21/54.

AN IMPROVED RAZOR BLADE ASSEMBLY.

Applicant : WILKINSON SWORD LIMITED, SWORD HOUSE, TOTTERIDGE ROAD, HIGH WYCOMBE, BUCKINGHAMSHIRE HP13 6EJ, ENGLAND.

Inventor : DAVID STEPHEN DUNCAN.

Application No. 101/Cal/83 filed on 25th January, 1983.

Convention dated 27th January, 1982 (8202274) Great Britain.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A razor blade assembly comprising a blade platform, at least one blade mounted on said blade platform, a guardbar and a razor head frame including a top cap, the blade platform having thereon a first set of guide surface and the razor frame having thereon a second set of guide surfaces being in engagement with the first set of guide surfaces and supporting the blade and blade platform for movement along a predetermined guide path between a shaving position in which the blade, guardbar and top cap are relatively positioned for shaving and a retracted position in which the or each blade is retracted position in which the or each blade is retracted from the shaving position, characterised in that the sets of guide surfaces include curved surfaces such as to impart a rolling movement to the blade and blade platform between said position.

Compl. Specn. 15 pages. Drgs. 6 sheets.

CLASS : 127-I.

157574

Int. Cl. : G 05 g 5/00.

A DEVICE FOR CONTROLLING AND LIMITING STROKES OF RECIPROCATING PARTS.

Applicant : HEAVY ENGINEERING CORPORATION LIMITED, PLANT PLAZA ROAD, RANCHI-834004, BIHAR, INDIA.

Inventors : 1. PUTUKODE KRISHNAN ANANTHAN—ARAYANAN AND 2. VAIRELIL BHARATHAN.

Application No. 165/Cal/83 filed on 11th February 1983.

Appropriate office for opposition proceeding (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A device for controlling and limiting strokes of reciprocating parts, controlling and limiting angular displacements of rotating parts; interlocking reciprocating motions with respect to a related rotary motion and vice versa and as safety limit stops either for reciprocating or rotary motion comprising a rotatable shaft having a bore said rotatable shaft being capable of rotating through a particular angle and a reciprocating shaft adapted to pass through the said bore such that the reciprocating shaft in one position of the rotatable shaft can slide for the full length of the reciprocating stroke while when the rotatable shaft has been turned to an angle the reciprocating shaft has a limited travel and the rotatable shaft engaged by the reciprocating shaft has a restricted angular movement.

Complete specification 8 pages. Drg. 1 sheet.

CLASS : 63 E.

157575

Int. Cl. H 02 k 9/08.

GAS-COOLED DYNAMOELECTRIC MACHINE.

Applicant : LENINGRADSKOE PROIZVODSTVENNOE ELEKTROMASHINOSTROITELNOE OBIEDINENIE "ELECTROSILA" IMENI S.M. KIROVA, LFNINGRAD, PROSPEKT, 158, MOSKOVSKY, USSR.

Inventors : 1. KONSTANTIN VASILIEVICH BELYANIN AND 2. VALENTINA VLADIMIROVNA BELYAEVA.

Application No. 189/Cal/83 filed on 16th February, 1983.

Appropriate office for opposition proceedings Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims

A gas-cooled dynamoelectric machine comprising a housing with detachable covers, having a stator and a rotor mounted therein, a gas circuit for cooling machine parts being heated, and at least one gas cooler for removing heat from the gas circuit, mounted between the detachable covers of the housing and the stator core, wherein the gas cooler is made as a separate unit and includes an inlet and an outlet manifolds with branch pipes for a cooling liquid, finned detachable gas cooling tubes connected directly to both manifolds and arranged in two rows in a staggered order, and cluster clamps for holding together the gas cooling tubes through resilient elements, made as plates embracing all the tubes.

Complete specification 11 pages. Drgs. 2 sheets.

CLASS : 206 F.

157576

Int. Cl. : H 03 k 7/06.

CIRCUIT ARRANGEMENT FOR AN FM-RECEIVER.

Applicant : N. V. PHILIPS' GLOEILAMPENFABRIEKEN, GROENEWOUDSEWEG 1, EINDHOVEN, THE NETHERLANDS.

Inventors : 1. WOLFGANG NOLDE, 2. WINFRIED JANSEN AND 3. WOLFDIETRICH GEORG KASPERKOVITZ.

Application No. 268/Cal/83 filed on 3rd March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A circuit arrangement for an FM-receiver having a loop whose loop gain is negative at least for the lower frequencies of the demodulated signal and comprising an FM-demodulator, a tunable oscillator circuit whose frequency is controlled by the FM-demodulator output signals and a mixing stage, which mixes the oscillator signal with an input signal and its output being coupled to the input of the FM-demodulator. characterized in that the loop comprises a reactance circuit (11) the reactance thereof being controlled by the output signal of the FM-demodulator (5) evidences at least substantially the same dependence on the tuning frequency of the oscillator circuit (31) as the quotient of an inductance or capacitance change, respectively on the one hand and the change of the oscillator frequency caused thereby in the oscillator circuit on the other hand.

Compl. Specn. 14 pages. Drg. 1 sheet.

CLASS : 32 E.

157577

Int. Cl. : C 08 f 3/14.

AN IMPROVED PROCESS FOR THE CONTINUOUS LIQUID PHASE AND FLUIDIZED BED, CATALYTIC POLYMERIZATION OF ISOBUTYLENE.

Applicant : COSDEN TECHNOLOGY, INC., P.O. BOX-410, DALLAS, TEXAS 75221, UNITED STATES OF AMERICA.

Inventors : 1. MARSHALL WANEAL ABERNATHY, JR.
AND 2. KENNETH CHARLES JURGENS, JR.

Application No. 284/Cal/83 filed on 8th March, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

An improved process for the continuous, liquid phase, and fluidized bed, catalytic polymerisation of isobutylene contained in a hydrocarbon feed mixture, wherein the hydrocarbon feed mixture is continuously introduced into a reaction zone containing a polymerization catalyst or the hydrocarbon feed mixture and catalyst are continuously introduced into a reaction zone and a portion of the liquid reaction mixture continuously removed to recover the polyisobutylene contained therein, the improvement comprises removing the vapors of the unreacted hydrocarbons present in the reaction zone in a quantity sufficient to remove the heat generated in the exothermic reaction, continuously removing, compressing and condensing said vaporized hydrocarbons to yield a liquid condensate under a pressure and at a temperature higher than that maintained in the reaction zone, reducing the pressure on said condensate to the extent necessary to vaporize some of the hydrocarbons in the condensate thereby reducing the temperature of the liquid condensate to that of the reaction zone, separating the vaporized hydrocarbons and recycling the liquid condensate to the reaction zone.

Compl. Specn. 11 pages. Drg. 1 sheet.

CLASS : 65 B; 69 C & K; 103; 140 B. 157578

Int. Cl. H 01 f 15/08 ; 27/10.

PERCHLOROETHYLENE CONTAINING DIELECTRIC FLUID FOR ELECTRICAL APPARATUS AND ELECTRICAL APPARATUS COMPRISING THE SAME.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION OF WESTINGHOUSE BUILDING GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

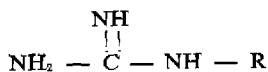
Inventors : 1. ROBERT ANTHONY KURZ AND
2. ANTHONY JAMES PALUMBO.

Application No. 929/Cal/83 filed on 27th July, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims

A perchloroethylene containing dielectric fluid for electrical apparatus, being capable of protecting copper and organic polymers such as hereinbefore described provided in said apparatus, from attack by perchloroethylene, said dielectric fluid comprising perchloroethylene in admixture with 20 to 1000 ppm (based on the total weight of the dielectric fluid) of a compound having a general formula



Where R is



Compl. Specn. 10 pages. Drg. 1 sheet.

Ind. Cl. : 40 B.

Int. Cl. : B 01 j — 11/00.

Title : METHOD FOR PREPARING A HETEROGENEOUS HIGHLY ACTIVE SILICA SUPPORTED NICKEL CATALYSTS.

Applicants : HINDUSTAN LEVER LTD., 165/166, BACKBAY RECLAMATION, BOMBAY-400 020, MAHARASHTRA, INDIA.

Inventors : (1) GANAPATHY SRINIVASAN & (2) RAMARAJU SREERAMA MURTHY.

Application No. 134/Bom/1983, filed on April 19, 1983.

Complete after Provisional Left : April 11, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch Bombay.

6 Claims

A method for the preparation of a heterogenous highly active silica supported nickel catalyst which comprises :

- (i) recovering amorphous silica particles from a vegetable source in a manner as herein described and
- (ii) depositing by methods herein described catalytically active metal on said silica particles characterized by the improvement that a transition metal promoter such as molybdenum, manganese, cobalt and copper is also deposited on said silica particles by methods as herein described and the said catalyst is activated by reduction in a stream of hydrogen.

Complete Specification 12 pages.

Drg. Nil.

Provisional specification 9 pages; drawings. nil.

CLASS : 85 G + J.

157580

Int. Class : F 23 b-7/00, F 23 d-19/00.

Title : SPOUTED BED TECHNIQUE TYPE FURNACE FOR COMBUSTION OF HIGH ASH NON-CAKING FINE AND SLACK COAL.

Applicant : (1) DR. PHAROKH DHUNJISHAW SUNAVALA, INDIAN NATIONAL PROFESSOR, DEPARTMENT OF CHEMICAL ENGINEERING, INDIAN INSTITUTE OF TECHNOLOGY, POWAI, BOMBAY-400 076, STATE OF MAHARASHTRA, INDIA.

(2) INDIAN INSTITUTE OF TECHNOLOGY, POWAI, BOMBAY-400 076, STATE OF MAHARASHTRA, INDIA, AN AUTONOMOUS BODY CORPORATE HAVING PERPETUAL SUCCESSION UNDER THE INSTITUTE OF TECHNOLOGY ACT, 1961.

Inventor : DR. PHAROKH DHUNJISHAW SUNAVALA.

Application No. 145/Bom/1983, filed on 27th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch Bombay-13.

1 Claim

S pouted bed technique type furnace for combustion of high ash non-caking fine and slack coal comprising conical shaped Coal Feeding Chute situated at the top of the furnace followed by Feed Controller, which in turn is connected to the Reactor being a long cylindrical tube with Cone situated at the bottom of the said Reactor providing an Outer for ash, an Inlet Nozzle with a fine orifice situated at the bottom of the said Cone, an Ignition Coil situated at the bottom of the furnace for radiating large amount of heat; LPG Inlet and Air Inlet in the form of two coaxial cylindrical tubes situated at the bottom part of the furnace facing the said Ignition Coil and Manometer Pressure Tappings being provided laterally at the upper part of the said Reactor and at the bottom of the said Cone for measuring the pressure in the Reactor and Thermocouple being provided adjacent to the said Feed Controller inside the said Reactor for measurement of temperature inside the Reactor, the products of combustion and unburnt coal and ash being let out through the outlet tube provided at the top of the said Reactor and next to the Thermocouple, the Cyclone Separator connected to the said Out-

let Tube being utilized to separate the unburnt coal and ash from the bottom of the cyclone separator and the flue gases from the top of the cyclone separator which are then analysed through a Sampling Probe.

Comp. Specn. 9 pages, Drg. 1 sheet.

Ind. Cl. : 154 H.

157581

Int. Cl. : B 41 F 15/44.

Title : IMPROVEMENTS IN OR RELATING TO SQUEEGEE FOR ROTARY SCREEN PRINTING MACHINES.

Applicants : SLM-MANEKLAL INDUSTRIES LTD., AN INDIAN COMPANY INCORPORATED UNDER THE COMPANIES ACT, SHAFI MANZIL, ASHRAM ROAD, AHMEDABAD-380 009, GUJRAT, INDIA.

Inventors : (i) BHANUPRASAD VISHNUPRASAD RUSHI, (ii) PRABODHKUMAR HARIPRASAD THAKORE, (iii) MOHANLAL SOMABHAI KAHAR.

Application No. 150/Bom/1983 filed on 29th April, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch Bombay.

6 Claims

A squeegee for rotary screen printing machine, characterised in that a stainless steel pipe is provided inside a metal tube which is supported in the body of the squeegee for conveying a dye to the inner surface of a rotary screen, the said pipe being closed its inner end and having a plurality of spaced holes along its length for the passage of the dye and, in that, the sizes of the holes on the said pipe progressively increase from the dye feeding end of the pipe.

Comp. Specn. 6 pages, Drg. 1 sheet.

CLASS : 107 F.

157582

Int. Class : F 02 p 15/00.

A MAGNETIC PICKUP FOR AN ELECTRONIC IGNITION INTERNAL COMBUSTION ENGINE.

Applicants : BAJAJ AUTO LTD., AKURDI, PUNE-411 035, MAHARASHTRA, INDIA.

Inventors (1) NAMDEO PREMLAL AMBULE, (2) DEEPAK GANGADHAR TEKMAL AND (3) KALEPALLI SUBRAMANYA REDDY TULASIRAMAN.

Application No. 207/Bom/1983 filed 28th June 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

4 Claims

A magnetic pick up for an electronic ignition in internal combustion engine comprising a pair of non-metallic bobbins wound with insulated electrical conductors, a U-shaped core of magnetic material on the limbs of which said bobbins are fitted and a printed circuit board mounted on the core close to the bobbin such that wire leads from the bobbin are soldered on to the printed circuit board which has tracks for the external connections, and the bobbins, the core and printed circuit are moulded in a plastic material.

Comp. specn. 6 pages, Drgs. 2 sheets.

Ind. Cl. : 13D, 76D+E.

157583

Int. Cl. : A45C-3/02.

Title : A SUITCASE HAVING MEANS FOR HOLDING A BRIEFCASE THEREON.

Applicant & Inventor : MILIND MANOHAR RAO, INDIAN NATIONAL OF SONAL 25 SIND SOCIETY, BENER ROAD, PUNE-411 007, MAHARASHTRA STATE, INDIA.

Application No. : 245/Bom/1983. Filed on August 10, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

2 Claims

A suitcase having means for holding a briefcase having hooks thereon, the said suitcase being provided on the front or the back cover with means for latching and/or hooking means consisting of atleast one cavity provided on the front or the back cover having a bar or a wire across the cavity.

Compl. Specn. 4 pages; Drawing. 1 sheet.

Ind. Cl. : 85 L.

157584.

Int. Cl. : F 23 g-7/04.

Title : INCINERATION FURNACE FOR LIQUID WASTES.

Applicant : THERMAX PRIVATE LIMITED AN INDIAN COMPANY, OF CHINCHWAD, PUNE-411 019, MAHARASHTRA, INDIA.

Inventors : (i) SUDHEER SHYAMRAO BASARGEKAR, (ii) ANIL MADHUKAR DESHPANDE.

Application No. 274/Bom/1983, filed on 6th September, 1983.

Complete after provisional filed on 5th October 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

17 Claims

An incineration furnace for liquid wastes, comprising (i) a top narrow cylindrical section for housing a rotating injector for injecting liquid waste into the furnace and having flue gas duct; (ii) a central cylindrical section provided with an air jacket and tubes which introduce combustion air into the furnace for incineration of the liquid waste; (iii) an inclined floor at the bottom for transmitting the molten salts to a spout.

Provisional specification 6 pages, Drgs. nil.

Complete specification 14 pages. Drgs. 3 sheets.

Ind. Class : 1 72 A.

157585

Int. Class : B 65 h-75/02.

Title : IMPROVEMENTS IN OR RELATING TO A BOBBIN FOR RING FRAMES USED IN SPINNING MILLS.

Applicants : AHMEDABAD TEXTILE INDUSTRY RESEARCH ASSOCIATION, AN INDIAN REGISTERED UNDER SOCIETY'S REGISTRATION ACT, XXI OF 1860, P.O. POLYTECHNIC, AHMEDABAD, 380 015, GUJARAT, INDIA.

Inventors : (1) LUNKAD MAFATLAL NARSINGJI, (2) SOOD MUNISHWAR CHANDER, (3) GANDHI GHANSHYAM ANUBHAI.

Application No. 279/Bom/1983 filed September 12, 1983.

Complete specification left Dec. 6, 1984

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

5 Claims

A bobbin for ring frames used in spinning mills characterised in that the bottom thereof is conically shaped constituting a tapered zone, and further characterised in that

- (a) the bottom diameter of the said tapered zone is maintained as large as possible compared to that of the ring of the ring frame in which the bobbin is to be used, leaving minimum clearance for easy insertion and removal thereof on and from the spindle in relation to the ring;
- (b) the height of the tapered zone is maintained little more than the chase length;
- (c) the step at the joint between the tapered zone and the straight portion of the bobbin is maintained smooth; and
- (d) the surface of at least the tapered zone is provided with grooves.

Provisional specification 3 pages. Drg. 1 sheet.

Complete specification 12 pages. Drg. 1 sheet.

CLASS : 107 C.

157586

Int. Class : F 01 p 3/00, F 02 b-41/00.

AN IMPROVED CYLINDER LINER FOR USE IN A COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE AND A COMPRESSION IGNITION INTERNAL COMBUSTION ENGINE HAVING THE SAME.

Applicants : KIRLOSKAR OIL ENGINES LTD., LAXMANRAO KIRLOSKAR ROAD, POONA-411003, MAHARASHTRA, INDIA.

Inventor : (1) NIDADAVOLU NARA NARAYAN RAO.

Application No. 286/Bom/1983 filed Sep 16, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

8 Claims

An improved cylinder liner for use in a compression ignition internal combustion engine, said cylinder liner being adapted to rigidly support the fuel tank of said engine and provided with a cylinder bore, one end of said cylinder liner being adapted to be rigidly connectable to the cylinder head of said engine and to accommodate push rod tubes of said engine and the other end of said cylinder liner being adapted to be rigidly locatable on the crank case of said engine, the improvement being that said cylinder liner is provided with a liquid coolant jacket on the outside of its said one end and with fins on its remaining outside surface, said cylinder liner being independently separately cooled by forced or natural convection by liquid through said jacket and by natural convection by air between said fins thereby selectively proportionately cooling said cylinder liner and minimising heat loss from said engine and increasing efficiency of said engine.

Compl. specn. 11 pages. Drgs. 8 sheets.

Ind. Cl. : 134 A, 117 B.

157587

Int. Cl. : E05B 65/00; 55/00.

Title : LOCKING ARRANGEMENT FOR SEAT AND SIDE COWLS IN TWO WHEELER VEHICLES PARTICULARLY FOR MOTOR SCOOTERS.

Applicant : BAJAJ AUTO LTD., AN INDIAN COMPANY OF AKURDI PUNE-411 035, MAHARASHTRA, INDIA.

Inventors : MYSORE SUBBARAU KESHAV, NAMDEO PREMLAL AMBULE AND SATISH BAPURAO BHALE-RAO.

Application No. : 307/Bom/1983. Filed on 26th September, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Bombay Branch.

4 Claims

A locking arrangement for seat and side cowls in a two wheeler vehicle, particularly a scooter, comprising a straight plate fixed to the inside of the side cowl member on either side of the vehicle and passed through a slot in the chassis of the vehicle, said straight plate having a slit for engagement with a lock lever mounted on a holding bracket fixed to the chassis, an operating rod having its lower end fixed to the lock lever and the upper end to an operating lever, the said upper end of the operating rod having the operating lever being disposed below the vehicle seat which is locked with the chassis of the said vehicle, the locking of the seat of the vehicle being carried out by a bracket fixed below the seat engaging a guide member fixed on the chassis, a lever pivoted to the said bracket and engaging in a slot in the guide member and a slot in an inter locking lever of the lock of the seat, the said lever being dis-engagable from the guide member only on the engagement of the said inter locking lever of the lock by the operation of the said lock and wherein the said operating rod is made to pass through a hole in the chassis wherein there is fitted grommet of rubber or other resilient material fixed to the chassis.

Complete specification 9 pages. Drawings 3 sheets.

CLASS : 89

157588

Int. Cl. : 50/n 3/00.

Title : AN IMPROVED INDENTATION HARDNESS TESTER WITH DIGITAL DISPLAY.

Applicant & Inventor : GIRDHARI BALARAM RADHAKRISHNANI, 24 B. SAGAR SANGEET, 58, COLABA ROAD, BOMBAY-400 005.

Application No. : 320/Bom/1983 filed on 13th October, 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972), Patent Office, Bombay Branch.

1 Claim

An improved indentation hardness tester with digital display, comprising a cylindrical or rectangular body, provided with a pressure foot at its lower end and a spring loaded indentor or spindle mounted inside the body with its indentor tip projecting a fixed amount out of the pressure foot, characterised in that the body houses a grid attached to the top of the indentor spindle, LED and LDR arrangement, digital display and battery with associated electronic components, whereby against the pressing of the indentor to the specimen depending upon the specimen hardness an indentation created in it makes the indentor shaft together with the grid move upwards, blocking to some extent the quantum of light incident to LDR, variable according to the depth of indentation or hardness of the specimen, thereby the LDR changing its resistance resulting in the variable voltage output, which voltage output after decoding being fed into ICs and transmitted to the digital display to read hardness in digital numbers.

Complete specification 7 pages. Drawing 1 sheet.

PATENTS SEALED

150581 151008 151808 152522 154521 154546 154572 154648
 154680 154722 154769 154877 154886 154892 154905 154915
 154936 154950 154983 154984 155004 155020 155021 155022
 155023 155040 155081 155202 155232 155280

RENEWAL FEES PAID

137575 137657 138313 138360 138616 135058 139081 139202
 139516 141532 141923 142212 142456 142636 142780 143523
 144027 144322 144406 144499 144624 144724 144818 144823
 144857 145461 145476 145851 145867 146044 147832 148106
 148137 148154 148240 148333 148409 148410 148590 149090
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REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Design Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 7. Nos. 155934, 155935. PIAGGIO & C. S.P.A., of Via A. Cecchi, 6-GENOVA, Italy, a company organized under the laws of the Italian Republic. "Handlebars for A Motor Scooter". 13th August, 1985.

Class. 1. No. 155936. PIAGGIO & C. S.P.A., of Via A. Cecchi, 6-GENOVA, Italy, a company organized under the laws of the Italian Republic. "HUB CAP FOR A MOTOR SCOOTER". 13th August, 1985.

Class. 1. No. 155937. PIAGGIO & C. S.P.A., of Via A. Cecchi, 6-GENOVA, Italy, a company organized under the laws of the Italian Republic. "Container for objects adapted for attachment to the shield of a Motor Scooter". 13th August, 1985.

Class. 1. No. 156159. NIGOS Machinery Private Limited, an Indian Company duly registered and incorporated under Companies' Act, 1956 and having its Registered Office at : 164 Nagdevi Street, Bombay-400 003, Maharashtra, India. "Domestic Grinder". 25th October, 1985.

Class. 1. No. 156019. Super Parts Private Limited, 14/1-Mathura Road, P.O. Amarnagar Faridabad, Haryana/India. An Indian Company. "Gas Burner". 4th September, 1985.

Class. 1. No. 156020. Super Parts Private Limited, 14/1-Mathura Road, P.O. Amarnagar Faridabad, Haryana/India. An Indian Company. "Gas Stove". 4th September, 1985.

Class. 3. No. 156024. HEINRICH HUSS, of Liebigstrasse 1, 6054 Rodgau 6, Federal Republic of Germany, of West German Nationality. "a Battery Driven Vehicle". Reprecity date is 21st March, 1985. (U.K.).

Class. 3. No. 156004. Ilaben Rameshchandra Joshi, an Indian, of 659, Khashipura, Near Petrol Pump, Kagdipith, Ahmedabad-380 022, Gujarat, India. "Electric Plug Cover". 3rd September, 1985.

Class. 3. No. 156010. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having Office at 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Umbrella Stand". 3rd September, 1985.

Class. 3. No. 156012. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having Office at 202/203, 'Raheja Centre', 214, Nariman Point, Bombay-400 021, Maharashtra, India. "Ash tray cum Waste Paper Basket". 3rd September, 1985.

Class. 4. No. 156021. Suman Sabharwal Trading as S. S. Chemicals, E-42, Greater Kailash Enclave-II, New Delhi, an Indian National. "BOTTLE". 5th September, 1985.

Name Index of Applicants for Patent for the month of August,

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—A—

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A. H. Robins Company, Incorporated.—680/Mas/85.

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Acme Res'n Corporation.—661/Mas/85.

Agip S.p.A.—629/Mas/85.

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Agrawal, M.D.—221/Bom/85 and 222/Bom/85.

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Allegheny Ludlum Steel Corporation.—696/Del/85 697/Del/85.

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Babcock & Wilcox Company, The.—600/Cal/85, 606/Cal/85, 610/Cal/85, 622/Cal/85 & 711/Del/85.

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—D—

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Sealey Building Systems Pty. Ltd.—681/Mas/85.

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Sherritt Gordon Mines Limited.—676/Del/85.

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Shri Ram Institute for Industrial Research.—673/Del/85, 674/Del/85, 675/Del/85, 677/Del/85, 678/Del/85, 680/Del/85, 681/Del/85 & 682/Del/85.

Shridhar, V. K.—223/Bom/85.

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Singh & Associates.—666/Del/85.

Sinha, A. P.—588/Cal/85.

Sir Padampat Research Centre.—628/Del/85.

Societe d'Etudes Scientifiques et Industrielles de l'ile-de-France 643/Mas/85.

Societe General Pour Les Techniques Nouvelles S.G.N.—640/Del/85 & 652/Del/85.

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Union Carbide Corporation.—637/Mas/85, 638/Mas/85, 639/Mas/85 & 659/Mas/85.

Universiti Malaya.—633/Mas/85.

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Vacuum Interrupters Limited.—705/Del/85.

Vapor Corporation.—706/Del/85.

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Volzhskoe Obiedinenie Po Proizvodstvu Legkovykh Avtomobilai (Avtovaz).—624/Del/85 & 625/Del/85.

Vsesojuzny Nauchno-Issledovatel'sky I Proektno-Konstruktor'sky Institut Po Avtomatizirovannomu Elektroprivu du V Promystlennosti, Seiskom Khozyaistvu I Na Transporte.—563/Cal/85.

Vsesajuzny Nauchno-Issledovatel'sky Institut Metallurgicheskoi Teptotekhniki.—602/Cal/85.

Vsesojuzny Nauchno-Issledovatel'sky Institut Myasnoi Promyshlennosti.—563/Cal/85.

—W—

Warner Lambert Company.—629/Del/85 & 657/Del/85.

Westinghouse Electric Corporation.—576/Cal/85, 577/Cal/85, 598/Cal/85 & 609/Cal/85.

—Y—

Yogendra, H. S.—666/Mas/85.

R. A. ACHARYA
Controller General of Patents,
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